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Indiana State Department of Health

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TO: Local Health Departments

FROM: Alan M. Dunn, R.E.H.S., Supervisor
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SUBJECT: Clarification on the use of ASTM F 810 – 85 pipe

We have been made aware of the improper use of ASTM F 810-85 pipe in residential onsite sewage disposal systems. This memorandum is to provide clarification with the interpretation and application of Rule 410 IAC 6-8.1 as it relates to the use of piping in residential onsite systems.

Rule 410 IAC 6-8.1-26 defines "Soil absorption system" as the pipes laid in a system of trenches or elevated beds into which the effluent from the septic tank is discharged for soil absorption.

Rule 410 IAC 6-8.1-42 outlines the standards for piping used in residential onsite sewage disposal systems. There are both perforated and non-perforated pipes used in all residential onsite sewage disposal systems.

Non-perforated pipe transports the sewage and/or effluent from the place of origin through the system to the absorption field. In the absorption field, the effluent is absorbed by the soil after it is distributed to the soil through a "network" of pipes with perforations.

Rule 410 IAC 6-8.1-42(3)(A) and (B) is to ensure that the perforated pipe within the aggregate envelope of a soil absorption system meets the standards listed. Rule 410 IAC 6-8.1-42 (3)(A) restricts the use of ASTM F 810-85 pipe to that of the perforated pipe within the aggregate envelope of a soil absorption trench.

Rule 410 IAC 6-8.1-42 (1) and (2) are the standards for all sewer pipes. We apply the standards of Sec 42 (1) and (2) for all non-perforated pipes. The use of ASTM F 810-85 as a non-perforated pipe to transport sewage and/or effluent to the soil absorption field is not permitted by the provisions of Rule 410 IAC 6-8.1.

cc: Onsite staff